

ABSTRACT

A mattress assembly supporting a mattress and occupants is constructed substantially of plastic material. A mattress foundation defined by a semi-rigid cavity includes a generally flat top surface and at least one sidewall depending from the top surface. For pliability and structural weight reduction, the foundation may be ribbed, with air spaces formed therein. Ground support members may be used to retain the foundation in a substantially horizontal orientation above ground. To reinforce the foundation's structural integrity, support braces connecting opposing sidewall portions may be used. The braces may be detachable or integrally formed with the foundation. The assembly may include a headboard. To ease transport, casters may be included with the foundation. The assembly may be constructed of extruded or assembled plastic pieces; molded plastic; recyclable plastic; plastic reinforced with metal core, metal fiber, glass fiber, carbon fiber, resin or a combination of these.